WEIMING ZHUANG

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🔷 PROFESSIONAL SUMMARY

- Visionary technology leader with 18+ years of expertise in system architecture, distributed systems, and financial technology innovation.
- Proven track record of leading digital transformation initiatives, architecting blockchain solutions, and building high-performing engineering teams.
- Deep domain expertise in banking services, commodity trading, and insurance systems with demonstrated ability to drive competitive business advantage through AI-native applications and emerging technologies.

📑 EXPERIENCE

- ### [HSBC](#)
- Jun 2025 / Senior Associate Director Drive strategic engineering efficiency, performance metrics design, and CIO scorecards. Demonstrated expertise in AI engineering tools and building AI-native applications that drive competitive business advantage.
- Dec 2021 ~ Jun 2025 / Lab Engineering Lead Pioneered the adoption and implementation of emerging technologies in banking, spanning AI, CBDC, Web3, and regulatory tech. Delivered end-to-end innovation strategies that transformed strategic opportunities into tangible business value and operational excellence. And the DID project win Red Dot Award. Successfully initiated and spearheaded external HSBC public projects, including 1) [e-HKD](#); 2) [NFT](#); 3) [Decentralized Identity](#); 4) UITest AI Robot; 5) DeepSeek fine-tuning.
- ### [Dalian Commodity Exchange](#)
- Jul 2020 ~ Dec 2021 / Lead Architect Directed research and development of blockchain-based applications and decentralized governance frameworks tailored to commodity trading. As principal architect and lead developer, designed and implemented blockchain platform and innovative DApp solutions that streamlined market operations and enabled transparent, decentralized trading mechanisms. Achieved CAICT Trusted Blockchain certification - Demonstrating technical excellence and security compliance ([source](#)). Enabled blockchain warehouse receipt financing - Facilitated successful partnerships with Bank of Communications and COFCO ([source](#)).
- ### [Shanghai Insurance Exchange](#)
- Apr 2017 ~ Jun 2020 / Technical Lead Led development of a B2B2C decentralized blockchain platform with end-to-end case management capabilities. Oversaw complete R&D operations, building scalable, market-ready solutions for enhanced operational efficiency and transparency. Successfully achieved CAICT 1st wave blockchain certification. Featured in SHIE Chain News [SHIE Chain News I](#) and [SHIE Chain News II](#).

- [**Ant Financial**](#)
- Jul 2016 ~ Mar 2017 / Blockchain Expert Principal architect and lead developer for Ant Chain platform. Designed consensus algorithms and developed blockchain applications for charitable donation systems. Represented Ant Financial at MIIT Blockchain Conference - Industry thought leadership and public speaking ([source](#)).
- [**IBM**](#)
- May 2007 ~ Jul 2016 / Innovation , Senior Architect, Engineer Advanced through multiple senior roles over nearly a decade, providing strategic innovation consulting and technical advisory services. IBM Corporate Service Corps Volunteer - Led technology development projects in Ghana (2010) [IBM CSC Program in October 2010](#).

🎓 Education

Dalian Maritime University, Obtaining Master and Bachelor of Electrical Engineering in 2000 ~ 2007.

📖 Accomplishments

- **Applied patents (total 20)**
  - [A digital currency transaction method and system integrating distributed identity recognition and privacy enhancement functions](#) (2025 CN)
  - [Systems and methods for selectively obfuscating distributed ledger transactions using encryption](#) (2025 CN)
  - [System and method for traversing a distributed ledger data structure to generate an encrypted verifiable presentation data object](#) (2025 CN)
  - [Method, system, device and medium for automatically testing user interface by machine learning](#) (2025 CN)
  - [Delegate model for blockchain transactions](#) (2022 CN, 2023 WO)
  - [User verification with non-fungible tokens](#) (2023 WO US)
  - [Method and device for processing service request](#) (2017 CN TW 2018 MY WO ES KR AU MX RU CA PL EP JP 2019 PH US)
  - [Method, apparatus, and system for blockchain consensus](#) (2017 CN TW 2018 MX KR WO SG EP AU US JP CA BR RU 2019 ZA PH AU 2020 US 2021 US)
  - [Asynchronous multiparty data interaction method based on block chain system and storage medium](#) (2018 CN)
  - [Blockchain common recognition method based on Raft algorithm](#) (2019 CN)
  - [Method and system for replacing leader of blockchain network](#) (2019 CN)
  - [Architecture design and implementation of blockchain hot upgrading](#) (2019 CN)
  - [Device, method and system for realizing blockchain, and medium](#) (2019 CN),
  - [Insurance underwriting method and system and computer storage medium](#) (2019 CN), etc.
- **Publications**
  - [Research on Blockchain Application in Insurance Industry](#)

- [Blockchain Practical Application Methodology in Small and Middle Insurance Enterprise on "Modern Bankers"](#)
- [A Brief Analysis of the Current Development Status of the Insurance Exchange Blockchain Underlying System (Insurance Exchange Chain)](#)

- **Credential**
  - Secure Code Warrior certification, orange belt - highest level, 2022
  - Certificated expertise of Dalian 2020 urgent need for talent certification programs
  - IBM certificated Experienced Level in IT Application Consulting & Cross Industry specializations, 2014
  - PMP Credential (2010-2013), PMP@ #: 1465859
  - Obtaining IREB CPRE Credential from 2012

- **Honor & Award**
  - Coach team to win the prestigious [Red Dot Award for Decentralised Identity (DiD)](#)
  - Lead team to win the HSBC Tech 2024 Reward & Recognition, HSBC Tech Code Competition champion and runner-up
  - First Prize of Outstanding Research Achievements in the Reform and Development of Shanghai's Financial Industry 2018-2019
  - First prize of 2018 Shanghai Blockchain Innovation Competition
  - Leader of team passed the blockchain function and performance rating by CAICT, 2018, 2021